

In the claims:

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1-13 (canceled)

14. (currently amended) A portable analyzer for detecting properties of a given sample analyte comprising:

a biosensor having a sensor surface, said biosensor detecting properties of a given sample analyte at said sensor surface;

a fluid compartment for retaining therein an analyte, said fluid compartment in fluid communication with the biosensor surface; and

a miniature electro-mechanical vibration device configured to vigorously shake the fluid compartment to enhance mass transport of said given sample analyte to the sensor surface for the detection of properties of said given sample analyte.

15. (previously presented) The portable analyzer according to Claim 14 wherein the miniature electro-mechanical vibration device is further configured to vigorously agitate the contents of the fluid compartment.

16. (previously presented) The portable analyzer according to Claim 14 wherein the fluid compartment is configured to receive a liquid sample having an analyte suspended or dissolved therein, and further wherein the vibration device is configured to vigorously agitate the fluid compartment to cause an analyte suspended or dissolved in the liquid sample to accelerate the mass transport of analyte beyond that available in the absence of agitation.